

**Program of Study in Missile Systems Engineering  
Leading to a Master of Science in Engineering in Aerospace Engineering**

**Program Check List:**

Course	Hrs	Pre-requisites	Semester
<b>Major Courses - MAE</b>	<b>24</b>		
MAE 530 – Fundamentals of Aerodynamics	3		
MAE 540 – Rocket Propulsion I	3		
MAE 580 – Aircraft Stability & Control	3	MAE 530	
*MAE 633 – Tactical Missile Design I	3	MAE 755, Consent of Instructor	
*MAE 634 – Tactical Missile Design II	3	MAE 633	
ISE 638 – Engineering Reliability	3	ISE 601	
MAE 6XX – Missile Trajectory Analysis	3	MAE 580	
MAE 755 – Advanced Aerodynamics	3	MAE 530	
<b>Mathematics Minor</b>	<b>6</b>		
MAE 692 Graduate Engineering Analysis I	3		
ISE 601 – Probability and Statistics for Engineers	3		
<b>Systems Engineering Minor</b>	<b>6</b>		
ISE 526 – Design of Experiments	3	ISE 601	
ISE Elective (ISE 547 or 637)	3	See Graduate Catalog	
<b>Other</b>	<b>0</b>		
**MAE 684 – Aerospace Systems Seminar	0		
<b>Total Program Hours</b>	<b>36</b>		

\* Students must successfully complete the MAE 631 and 632 capstone design course sequence with a grade of B or better.

\*\* MAE 684 is a zero credit course offered each semester. The seminar will include guest speakers, help/review sessions, and introduction to computational tools. Attendance will generally be mandatory.

**For more program information contact:**

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